

AMENDMENTS TO THE CLAIMS

Please cancel Claims 23 and 24 of the Application, without prejudice or disclaimer to continued examination on the merits.

Claim 1. (Previously Presented)

A low radio frequency emissions network device, comprising:

a chassis;

a network device component disposed within said chassis, said network device component emitting electromagnetic interference;

a layer of foam having a predetermined insertion loss in the frequency range of electromagnetic interference disposed on at least a portion of a surface of said network device, said layer of foam substantially covering an inner surface of said chassis,

wherein said layer of foam is disposed in proximity to said network device component,

wherein said layer of foam is approximately .25 inches in thickness, absorbs electromagnetic interference, and prevents a predetermined amount of electromagnetic interference from exiting said chassis and interfering with said network device,

wherein said layer of foam is doped to increase the insertion loss of said layer of foam in the 1-10 GHz range,

said network device component comprising at least one integrated circuit emitting electromagnetic interference, said at least one integrated circuit having a heat sink, wherein said layer of foam is disposed directly on top of said heat sink; and

a Faraday cage, wherein said layer of foam is provided outside of said Faraday cage.

Claim 2. (Canceled)

Claim 3. (Previously Presented)

A low radio frequency emissions network device according to claim 1, wherein the network device component comprises an electronic component.

Claim 4. (Original)

A low radio frequency emissions network device according to claim 1, wherein said network device is a network device operating in the 1-10 GHz range.

Claim 5. (Canceled)

Claim 6. (Previously Presented)

A low radio frequency emissions network device according to claim 1, wherein said chassis further comprises a door, wherein said layer of foam is provided at least on a portion of said door of said chassis.

Claim 7. (Canceled)

Claim 8. (Canceled)

Claim 9. (Previously Presented)

A low radio frequency emissions network device according to claim 1, wherein said chassis further comprises a door, wherein said layer of foam is provided at least on a portion of said door of said chassis outside said Faraday cage.

Claim 10. (Previously Presented)

A low radio frequency emissions network device according to claim 3, wherein said electronic component comprises at least one integrated circuit, wherein said layer of foam is provided at least on top of said at least one integrated circuit.

Claim 11. (Previously Presented)

A low radio frequency emissions network device according to claim 3, wherein said electronic component comprises at least one integrated circuit running at a clock speed of 1-10 GHz, wherein said layer of foam is provided at least on top of said at least one integrated circuit running at a clock speed of 1-10 GHz.

Claim 12. (Canceled)

Claim 13. (Canceled)

Claim 14. (Canceled)

Claim 15. (Previously Presented)

A low radio frequency emissions network device according to claim 1, wherein said layer of foam is doped with carbon to increase the insertion loss of said layer of foam in the 1-10 GHz range.

Claim 16. (Previously Presented)

A low radio frequency emissions network device according to claim 1, wherein said chassis further comprises a door, said layer of foam being disposed in a first location on at least a portion of said door of said chassis,

wherein said layer of foam in said first location absorbs electromagnetic interference and prevents at least some of the interference from exiting said chassis.

Claim 17. (Canceled)

Claim 18. (Previously Presented)

A low radio frequency emissions network device according to claim 16, wherein said layer of foam is disposed in a second location in proximity to said electromagnetic-interference-emitting network device component,

wherein said layer of foam in said second location absorbs electromagnetic interference and prevents at least some of the electromagnetic interference from exiting said chassis and prevents at least some of the electromagnetic interference from interfering with the network device.

Claim 19. (Previously Presented)

A low radio frequency emissions network device according to claim 1, wherein said network device component comprises at least one integrated circuit emitting electromagnetic interference, wherein said layer of foam is disposed directly on top of said at least one integrated circuit.

Claim 20. (Canceled)

Claim 21. (Previously Presented)

A low radio frequency emissions network device according to claim 18, wherein said network device component comprises at least one integrated circuit emitting electromagnetic interference, wherein said second location is directly on top of said at least one integrated circuit.

Claim 22. (Previously Presented)

A low radio frequency emissions network device according to claim 18, wherein said network device component comprises at least one integrated circuit emitting electromagnetic interference, said at least one integrated circuit comprising said heat sink, wherein said second location is directly on top of said heat sink of said at least one integrated circuit.

Claim 23. (Canceled)

Claim 24. (Canceled)